

What is claimed is:

1. A cable end connector assembly comprising:
 - an insulative housing;
 - a plurality of contacts disposed in the insulative housing;
 - a cable comprising a plurality of individual conductors electrically connecting with corresponding contacts;
 - an insulative cover enclosing a rear end of the housing and joint portions of the conductors of the cable and the contacts, the cover defining a channel therethrough; and
 - a pull mechanism comprising:
 - a locking member being movably retained to the insulative housing and comprising a pressing portion and a latch portion adapted for locking with a complementary connector; and
 - a pull tape comprising an interconnecting portion assembled to the pressing portion of the locking member, and a pulling portion connecting with the interconnecting portion, the pulling portion passing through the channel of the cover and extending beyond a rear end of the cover, the pulling portion when a rearward pulling force is exerted thereto, moving the pressing portion of the locking member toward the cover to unlock the latch portion from the complementary connector.
2. The cable end connector assembly as claimed in claim 1, wherein the pressing portion of the locking member defines a pair of spaced grooves permitting one end of the pull tape to pass therethrough and wrap a portion therebetween, thereby forming the interconnecting portion of the pull tape.
3. The cable end connector assembly as claimed in claim 2, wherein the pressing portion of the locking member forms a plurality of ribs thereon, and one of the ribs is located between the two grooves.
4. The cable end connector assembly as claimed in claim 1, wherein the cover

comprises a body portion enclosing the rear end of the housing and a protective sleeve perpendicularly extending from a bottom of the body portion, the protective sleeve enclosing the joint portions of the conductors of the cable and the contacts, and wherein the channel is defined in the body portion.

5. The cable end connector assembly as claimed in claim 4, wherein the body portion of the cover comprises a top wall, a bottom wall opposite to the top wall, and a rear wall connecting and extending between the upper and the bottom walls, and wherein the channel of the cover consists of a first channel defined through the top wall and a second channel defined through the rear wall in communication with the first channel.

6. The cable end connector assembly as claimed in claim 5, wherein the top wall of the cover forms a holding bar dividing the first channel into two sections, and wherein the pressing portion moves toward the cover until contacting the holding bar when the pull tape is rearwardly pulled.

7. The cable end connector assembly as claimed in claim 1, wherein the pull tape extends away from the cover in a direction perpendicular to that of the cable.

8. The cable end connector assembly as claimed in claim 1, wherein each contact comprises a contact portion, a retention portion rearwardly extending from the contact portion, and a tail portion perpendicularly bent from the retention portion and exposed outside a rear end of the insulative housing.

9. The cable end connector assembly as claimed in claim 1, wherein the insulative housing comprises a pair of wing portions extending rearwardly from a rear end thereof.

10. The cable end connector assembly as claimed in claim 9, wherein each wing portion of the insulative housing defines a cutout, and wherein the pressing portion of the locking member comprises a pair of side beams extending vertically from opposite ends thereof, each side beam forms a spring tab engaged in the cutout of the wing portion.

11. The cable end connector assembly as claimed in claim 1, wherein the locking member comprises a retaining portion at a front end thereof secured with the insulative housing and a supporting portion at a rear end thereof secured with the cover, the pressing portion is formed between the retaining portion and the supporting portion, the latch portion is located close to the retaining portion.

12. The cable end connector assembly as claimed in claim 11, wherein the insulative housing defines a gap receiving the retaining portion of the locking member.

13. The cable end connector assembly as claimed in claim 12, wherein the insulative housing defines a first slot communicating with the gap, and wherein the retaining portion of the locking member forms a positioning tab extending forwardly from a front end of thereof and being received within the first slot.

14. The cable end connector assembly as claimed in claim 13, wherein the insulative housing defines a second slot communicating with the gap, and wherein the retaining portion of the locking member forms a snap tab extending rearwardly from the front end and being received within the second slot.

15. A cable end connector assembly comprising:

an insulative housing defining a forward mating portion;

a plurality of contacts disposed in the housing and in communication with the mating port;

a cable including a plurality of conductors electrically connected to the corresponding contacts, respectively;

a cover enclosing at least a portion of one of said housing and said cable;

a locking member associated with at least one of said cover and said housing and defining at least one laterally extending latch tab perpendicular to a front-to-back direction of the housing; and

a pull device associated with at least one of said cover and said housing; wherein

said pull device generates a rearward force which is partially transformed to another force along a first lateral direction generally perpendicular to said front-to-back direction so as to actuated said latch tab to move in a second lateral direction for releasing a complementary connector which is mated with the mating port.

16. The cable end connector assembly as claimed in claim 15, wherein said first lateral direction is same with the second lateral direction.

17. The cable end connector assembly as claimed in claim 15, wherein said cable extends in a third lateral direction perpendicular to said front-to-back direction.

18. The cable end connector assembly as claimed in claim 15, wherein said rearward force is essentially aligned with said mating port in said front-to-back direction.

19. The cable end connector assembly as claimed in claim 15, wherein said pull device is directly connected to the locking member.

20. A method of unlocking an electrical connector via a rearward force, comprising steps of:

providing an insulative housing with a forward mating port in a front-to-back direction;

disposing a plurality of contacts in the housing in communication with the mating port;

providing a cable with a plurality of conductors respectively electrically connected to the corresponding contacts;

enclosing at least one of said housing and said cable with a cover;

equipping one of said housing and said cover with a locking member;

equipping one of said housing and said cover with a pull device; and

imposing a rearward force upon said pull device opposite to said mating port; wherein

at least a portion of said rearward force is transformed to a lateral direction generally perpendicular to said front-to-back direction so as to actuate said locking member to move laterally for being released from a complementary connector which is mated within the mating port.